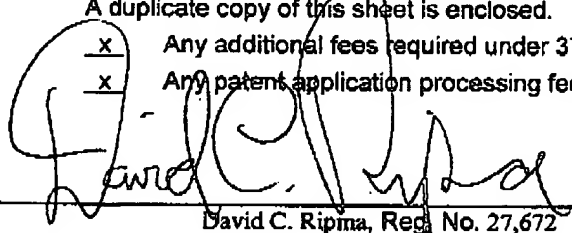
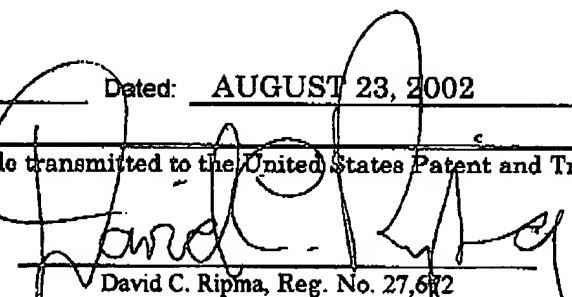


<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b> Applicant(s): Wei Pan, Jer-Shen Maa, David Russell Evans, and Sheng Teng Hsu				Docket No. <b>SLA0493</b>	
Serial No 09/820,068	Filing Date March 28, 2001	Examiner Luhrs, M.	Group Art Unit 2824		
Invention: Method of Barrier Metal Surface Treatment Prior to Cu Deposition to Improve Adhesion and Trench Filling Characteristics					
<b><u>TO THE COMMISSIONER FOR PATENTS:</u></b>					
Transmitted herewith is an amendment in the above identified application. The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE
TOTAL CLAIMS	13 -	20 =	0	x \$18.00	\$0.00
INDEP. CLAIMS	3 -	3 =	0	x \$84.00	\$0.00
Multiple Dependent Claims (check if applicable) _____					\$0.00
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT					\$0.00
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><input checked="" type="checkbox"/> No additional fee is required for amendment.</p> <p>_____ Please charge Deposit Account No. 19-1457 in the amount of \$0.00.</p> <p>_____ A duplicate copy of this sheet is enclosed.</p> <p>_____ A check in the amount of _____ to cover the filing fee is enclosed.</p> <p><input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-1457.</p> <p>_____ A duplicate copy of this sheet is enclosed.</p> <p><input checked="" type="checkbox"/> Any additional fees required under 37 C.F.R. 1.16.</p> <p><input checked="" type="checkbox"/> Any patent application processing fees under 37 C.F.R. 1.17.</p> </div> <div style="width: 35%; text-align: right;"> <p><b>FAX COPY RECEIVED</b></p> <p><b>AUG 23 2002</b></p> <p>TECHNOLOGY CENTER 2800</p> </div> </div> <div style="margin-top: 20px;"> <p style="text-align: center;">             _____            David C. Ripma, Reg. No. 27,672         </p> <p style="text-align: right;">           Dated: <b>AUGUST 23, 2002</b> </p> </div>					
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office under 37 C.F.R. §1.8 at Fax No. (703) 872-9318 on August 23, 2002. <div style="text-align: right; margin-top: 20px;">             _____            David C. Ripma, Reg. No. 27,672         </div>					
Note: Each paper must have its own certificate or transmission, or this certificate must identify each submitted paper. The papers submitted include:					
<input checked="" type="checkbox"/> This Amendment Transmittal Letter (Include Duplicate)				2 page(s)	
<input checked="" type="checkbox"/> Response under 37 CFR § 1.111				17 page(s)	
_____ Attachments				0 page(s)	
<input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136 (Include Duplicate)				2 page(s)	
<b>Total pages, including this Transmittal: 21</b>					

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	PATENT APPLICATION
	)	
Inventors: Wei Pan,	)	August 23, 2002
Jer-shen Maa,	)	
David R. Evans,	)	
Sheng Teng Hsu	)	
	)	Attorney Docket No.
Serial No.: 09/820,068	)	SLA0493
	)	
Filed: March 28, 2001	)	Group Art Unit 2824
	)	
Title: METHOD OF BARRIER	)	Examiner: Luhrs, M.
METAL SURFACE	)	
TREATMENT PRIOR	)	
TO Cu DEPOSITION	)	
TO IMPROVE ADHESION	)	
AND TRENCH FILLING	)	
CHARACTERISTICS	)	
	)	
	)	
	)	
	)	
	)	

*(Handwritten notes and signatures)*  
# / amcta  
9/1/02 (ME)  
K. Bm  
10/16/02

FAX COPY RECEIVED

AUG 23 2002

RESPONSE UNDER 37 C.F.R. § 1.111

TECHNOLOGY CENTER 2800

Hon. Commissioner for Patents  
Washington, D.C. 20231

Sir:

In response to the Office Action dated February 26,  
2002, Applicant submits the following response:

Please amend the application as follows: